

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1320447  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1320447

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size: _____ Set At: _____ Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	--	---

Date of First, Resumed Production, SWD or ENHR. _____	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

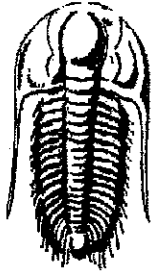
<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Castle Resources, Inc.
Well Name	CARTER 1
Doc ID	1320447

Tops

Name	Top	Datum
Anhydrite	2482	+221
Heebner	3876	-1173
LKC	3915	-1212
BKC	4126	-1423
Pawnee	4241	-1538
Fort Scott	4301	-1598
Cherokee	4313	-1610
PVC	4358	-1655
RTD	4448	-1745





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

PO Box 583  
Russell KS 67665

ATTN: Jerry Green

**Carter #1**

**28-5s-27w Decatur,KS**

Start Date: 2016.10.17 @ 12:30:33

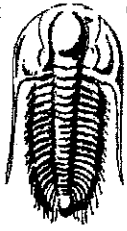
End Date: 2016.10.17 @ 18:43:27

Job Ticket #: 64748                      DST #: 1

Castle Resources Inc  
28-5s-27w Decatur,KS  
Carter #1  
DST # 1  
LKC  
2016.10.17

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.10.19 @ 16:40:38



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Castle Resources Inc

28-5s-27w Decatur,KS

PO Box 583  
Russell KS 67665

Carter #1

Job Ticket: 64748

DST#: 1

ATTN: Jerry Green

Test Start: 2016.10.17 @ 12:30:33

## GENERAL INFORMATION:

Formation: LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:17:43

Time Test Ended: 18:43:27

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 77

Interval: 3907.00 ft (KB) To 3970.00 ft (KB) (TVD)

Reference Elevations: 2710.00 ft (KB)

Total Depth: 3907.00 ft (KB) (TVD)

2705.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

## Serial #: 8018

Inside

Press@RunDepth: 21.79 psig @ 3913.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.17

End Date: 2016.10.17

Last Calib.: 2016.10.17

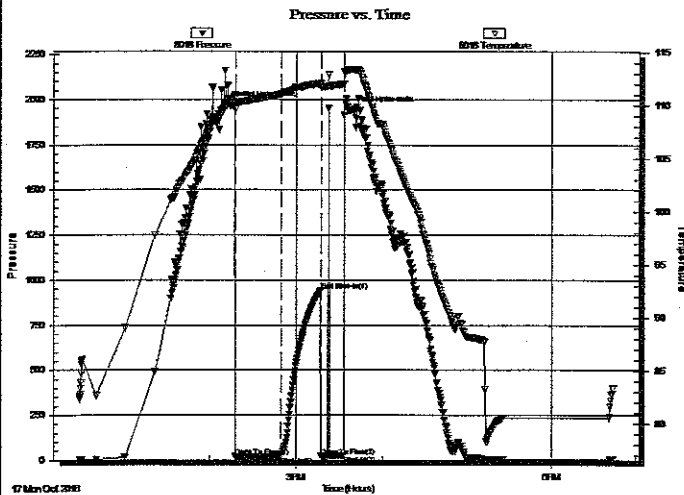
Start Time: 12:30:33

End Time: 18:43:27

Time On Btm: 2016.10.17 @ 14:14:43

Time Off Btm: 2016.10.17 @ 15:37:28

TEST COMMENT: 30-IFP-w k bl 1/4" died in 20 min  
30-ISIP-no bl  
15-FFP-no bl flushed tool, pulled tool



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1967.13	110.48	Initial Hydro-static
3	18.53	109.58	Open To Flow (1)
35	21.79	111.04	Shut-in(1)
63	941.82	112.09	End Shut-in(1)
63	22.25	111.68	Open To Flow (2)
79	24.97	112.02	Shut-in(2)
83	1943.01	113.34	Final Hydro-static

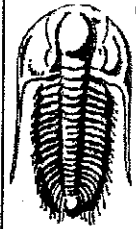
## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.14

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc

28-5s-27w Decatur,KS

PO Box 583  
Russell KS 67665

Carter #1

Job Ticket: 64748

DST#: 1

ATTN: Jerry Green

Test Start: 2016.10.17 @ 12:30:33

## Tool Information

Drill Pipe:	Length: 3900.00 ft	Diameter: 3.80 inches	Volume: 54.71 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 54.71 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3907.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

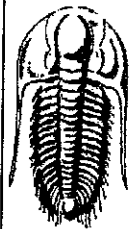
Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3887.00	
Shut in Tool	5.00			3892.00	
Hydraulic tool	5.00			3897.00	
Packer	5.00			3902.00	21.00 Bottom Of Top Packer
Packer	5.00			3907.00	
Stubb	1.00			3908.00	
Perforations	5.00			3913.00	
Recorder	0.00	8018	Inside	3913.00	
Recorder	0.00	8700	Outside	3913.00	
Blank Spacing	33.00			3946.00	
Perforations	21.00			3967.00	
Bullnose	3.00			3970.00	63.00 Bottom Packers & Anchor

**Total Tool Length: 84.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc

28-5s-27w Decatur, KS

PO Box 583  
Russell KS 67665

**Carter #1**

Job Ticket: 64748

DST#: 1

ATTN: Jerry Green

Test Start: 2016.10.17 @ 12:30:33

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	Mud	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

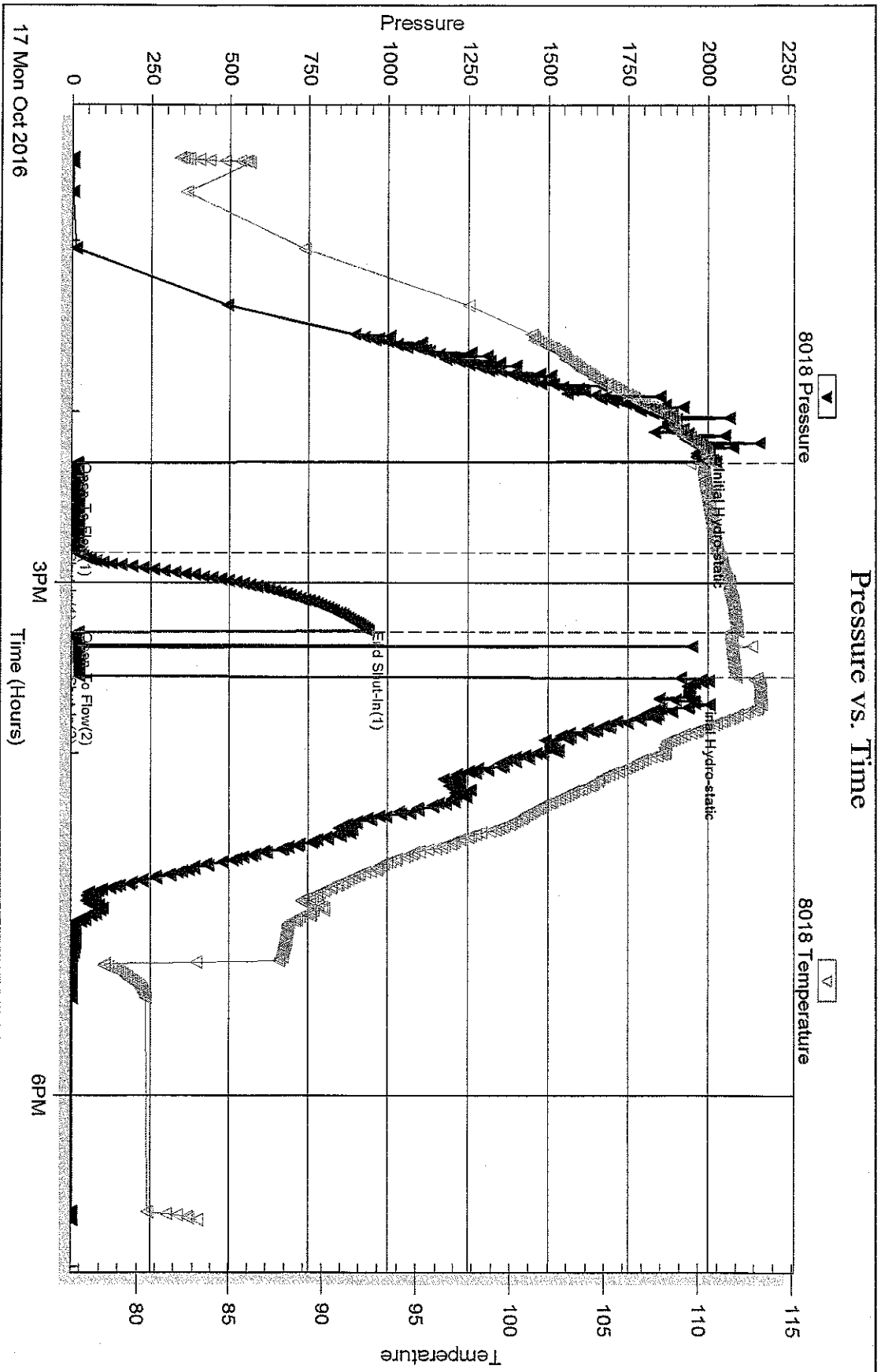
Serial #: 8018

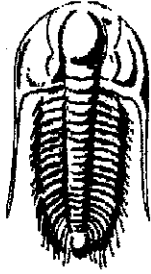
Inside

Castle Resources Inc

Carter #1

DST Test Number: 1





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

PO Box 583  
Russell KS 67665

ATTN: Jerry Green

**Carter #1**

**28-5s-27w Decatur,KS**

Start Date: 2016.10.18 @ 12:00:47

End Date: 2016.10.18 @ 19:19:56

Job Ticket #: 64749                      DST #: 2

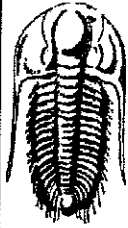
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.10.19 @ 16:33:54

Castle Resources Inc  
28-5s-27w Decatur,KS  
Carter #1  
DST # 2  
LKC HL  
2016.10.18



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Castle Resources Inc  
 PO Box 583  
 Russell KS 67665  
 ATTN: Jerry Green

**28-5s-27w Decatur, KS**  
**Carter #1**  
 Job Ticket: 64749      **DST#: 2**  
 Test Start: 2016.10.18 @ 12:00:47

## GENERAL INFORMATION:

Formation: **LKC I-L**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 13:39:42  
 Time Test Ended: 19:19:56  
 Interval: **4054.00 ft (KB) To 4150.00 ft (KB) (TVD)**  
 Total Depth: 4150.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Ray Schwager  
 Unit No: 77  
 Reference Elevations: 2710.00 ft (KB)  
 2705.00 ft (CF)  
 KB to GR/CF: 5.00 ft

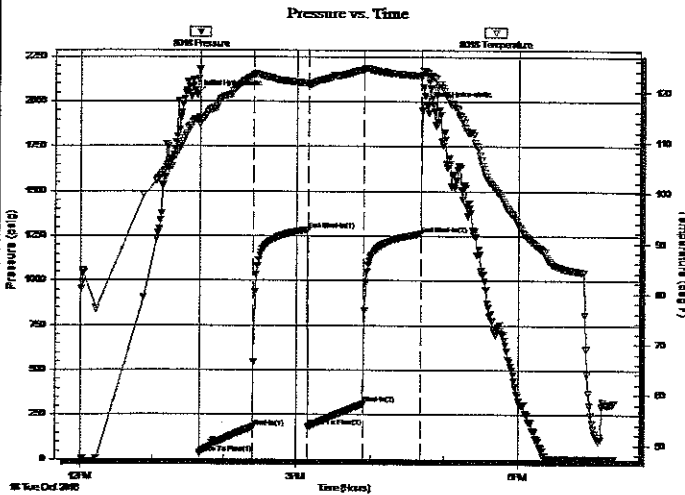
## Serial #: 8018

Inside

Press@RunDepth: 309.54 psig @ 4060.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2016.10.18      End Date: 2016.10.18      Last Calib.: 2016.10.18  
 Start Time: 12:00:47      End Time: 19:19:56      Time On Btm: 2016.10.18 @ 13:37:12  
 Time Off Btm: 2016.10.18 @ 16:44:41

TEST COMMENT: 45-IFP-w k to strg in 14 min  
 45-ISIP-no bl  
 45-FFP-w k to strg in 19 min  
 45-FSIP-surface bl bk

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2035.58	114.39	Initial Hydro-static
3	32.45	113.49	Open To Flow (1)
47	179.10	123.09	Shut-In(1)
92	1284.56	121.59	End Shut-In(1)
92	181.56	121.22	Open To Flow (2)
137	309.54	124.25	Shut-In(2)
184	1262.96	123.09	End Shut-In(2)
188	1975.71	123.80	Final Hydro-static

## Recovery

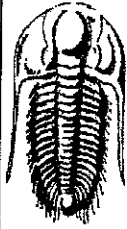
Length (ft)	Description	Volume (bbbl)
226.00	OCWM 15%O10%W75%M	3.17
186.00	O&GCWM 5%G15%O25%W55%M	2.61
186.00	OCMW 15%O10%M75%W	2.61
124.00	OCMW 5%O10%M85%W	1.74
0.00	80'GIP	0.00

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Castle Resources Inc

**28-5s-27w Decatur,KS**

PO Box 583  
Russell KS 67665

**Carter #1**

Job Ticket: 64749

**DST#: 2**

ATTN: Jerry Green

Test Start: 2016.10.18 @ 12:00:47

**Tool Information**

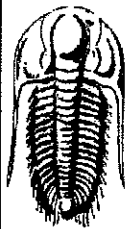
Drill Pipe:	Length: 4057.00 ft	Diameter: 3.80 inches	Volume: 56.91 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 56.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4054.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	117.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4034.00	
Shut In Tool	5.00			4039.00	
Hydraulic tool	5.00			4044.00	
Packer	5.00			4049.00	21.00 Bottom Of Top Packer
Packer	5.00			4054.00	
Stubb	1.00			4055.00	
Perforations	5.00			4060.00	
Recorder	0.00	8018	Inside	4060.00	
Recorder	0.00	8700	Outside	4060.00	
Blank Spacing	65.00			4125.00	
Perforations	22.00			4147.00	
Bullnose	3.00			4150.00	96.00 Bottom Packers & Anchor

**Total Tool Length: 117.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc

28-5s-27w Decatur, KS

PO Box 583  
Russell KS 67665

Carter #1

Job Ticket: 64749      DST#: 2

ATTN: Jerry Green

Test Start: 2016.10.18 @ 12:00:47

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:      deg API

Mud Weight: 10.00 lb/gal

Cushion Length:      ft

Water Salinity: 63000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:      bbl

Water Loss: 7.96 in\*

Gas Cushion Type:

Resistivity:      ohm.m

Gas Cushion Pressure:      psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
226.00	OCWM 15%O10%W75%M	3.170
186.00	O&GCWM 5%G15%O25%W55%M	2.609
186.00	OCMW 15%O10%M75%W	2.609
124.00	OCMW 5%O10%M85%W	1.739
0.00	80'GIP	0.000

Total Length: 722.00 ft      Total Volume: 10.127 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: RW .13 @65F

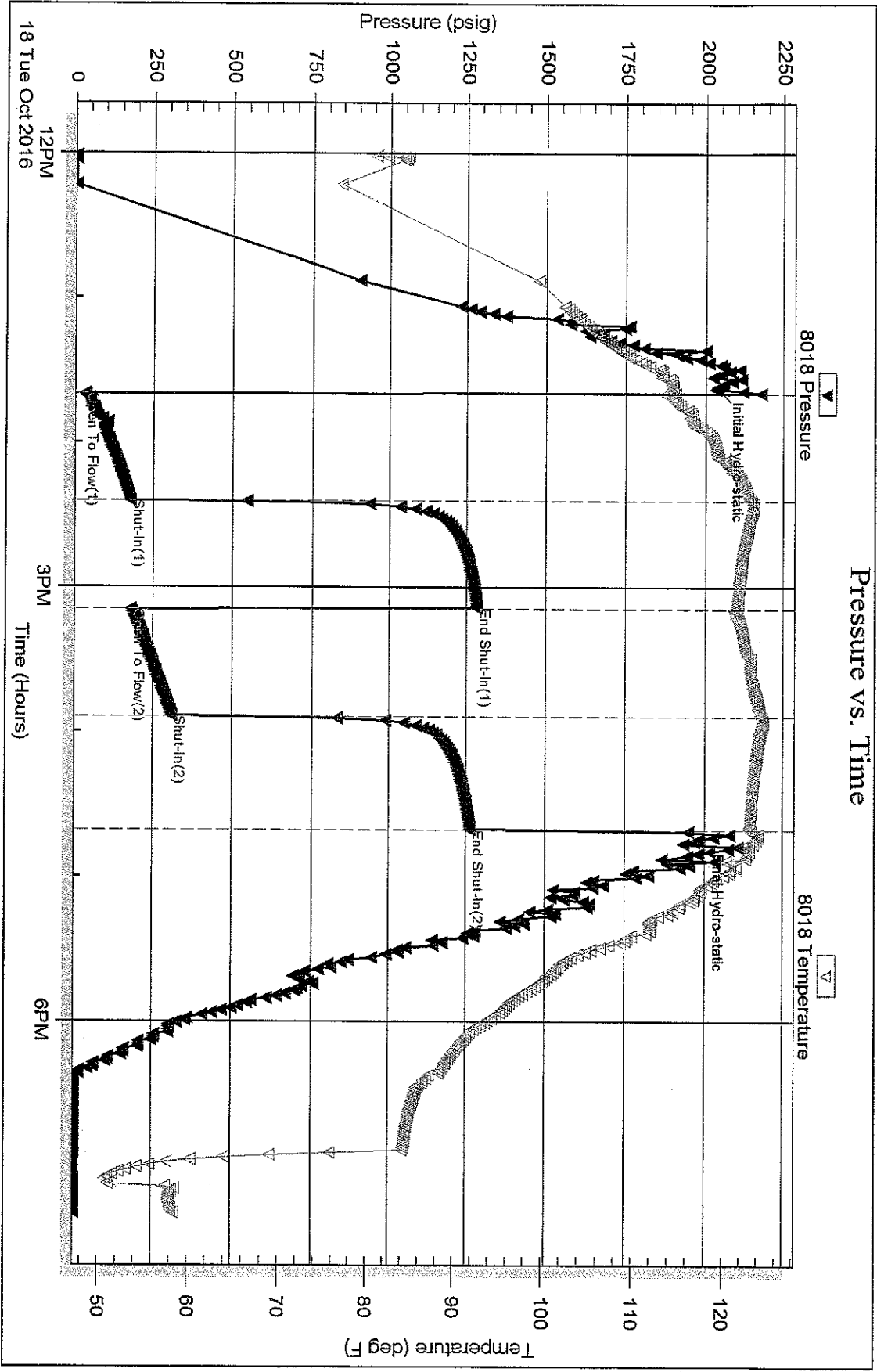
Serial #: 8018

Inside

Castle Resources Inc

Carter #1

DST Test Number: 2



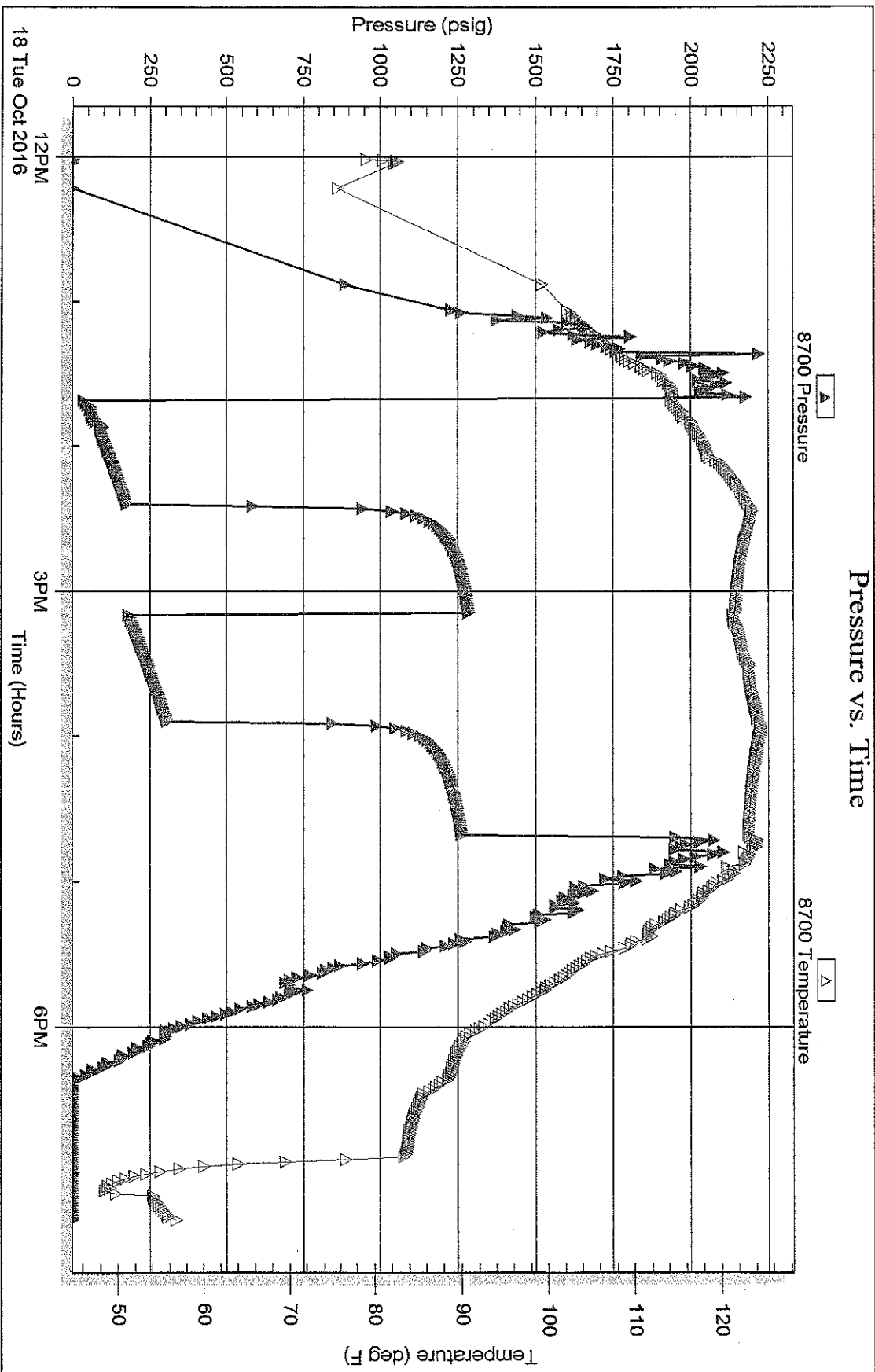


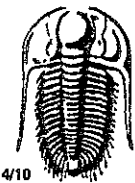
Serial #: 8700

Outside Castle Resources Inc

Carter #1

DST Test Number: 2





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 64748

Well Name & No. CARTER #1 Test No. 1 Date 10-17-2016  
 Company CASTLE RESOURCES INC. Elevation 2710 KB 2705 GL  
 Address PO Box 583 Russell, Ks 67665  
 Co. Rep / Geo. JERRY GREEN Rig White Knight rig 1  
 Location: Sec. 28 Twp. 5<sup>s</sup> Rge. 27<sup>w</sup> Co. DECATUR State Ks

Interval Tested 3907-3970 Zone Tested LKC  
 Anchor Length 63 Drill Pipe Run 3900 Mud Wt. 9.3  
 Top Packer Depth 3902 Drill Collars Run - Vis 54  
 Bottom Packer Depth 3907 Wt. Pipe Run - WL 7.2  
 Total Depth 3970 Chlorides 2000 ppm System LCM 4#  
 Blow Description IFP - WEAK BLOW 1/4" died in 20 MIN  
ISIP - NO BLOW, pushed tool, got surge,  
pulled tool

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mud</u>				

Rec Total 10 BHT 112 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1967  Test 1050 T-On Location 1175  
 (B) First Initial Flow 18  Jars \_\_\_\_\_ T-Started 1230  
 (C) First Final Flow 21  Safety Joint \_\_\_\_\_ T-Open 1415  
 (D) Initial Shut-in 941  Circ Sub \_\_\_\_\_ T-Pulled 1530  
 (E) Second Initial Flow 22  Hourly Standby \_\_\_\_\_ T-Out 1843  
 (F) Second Final Flow 24  Mileage 220RT 62rt 46.50  
 (G) Final Shut-in \_\_\_\_\_  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1943  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 15  
 Final Shut-In -

Sub Total 1096.50

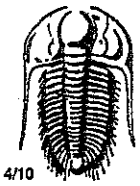
Comments \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1096.50  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_

Our Representative

RAY SCHWAGER THANK YOU

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 64749

Well Name & No. CARTER #1 Test No. 2 Date 10-18-2016  
 Company Castle Resources Inc Elevation 2710 KB 2705 GL  
 Address PO Box 583 Russell, Ks 67665  
 Co. Rep / Geo. JERRY GREEN Rig Wh. Te Knight rig 1  
 Location: Sec. 28 Twp. 5<sup>s</sup> Rge. 27<sup>w</sup> Co. DECATUR State Ks

Interval Tested 4054-4150 Zone Tested LKC I-L  
 Anchor Length 96 Drill Pipe Run 4057 Mud Wt. 9.7  
 Top Packer Depth 4049 Drill Collars Run - Vis 55  
 Bottom Packer Depth 4054 Wt. Pipe Run - WL 8  
 Total Depth 4150 Chlorides 3000 ppm System LCM 4#  
 Blow Description IFP - WEAK TO STRONG IN 14 MIN  
ISTP - NO BLOW  
FFP - WEAK TO STRONG IN 19 MIN  
FSIP - SURFACE BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>GIP</u>				
<u>226</u>	<u>OCWM</u>		<u>15</u>	<u>10</u>	<u>25</u>
<u>186</u>	<u>0<sup>4</sup>GCWM</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>55</u>
<u>186</u>	<u>OCMW</u>		<u>15</u>	<u>75</u>	<u>10</u>
<u>124</u>	<u>OCMW</u>		<u>5</u>	<u>85</u>	<u>10</u>

Rec Total 722 BHT 123 Gravity - API RW .13 @ - °F Chlorides 63000 ppm

(A) Initial Hydrostatic 2035  Test 1150 T-On Location 1130  
 (B) First Initial Flow 32  Jars \_\_\_\_\_ T-Started 1200  
 (C) First Final Flow 179  Safety Joint \_\_\_\_\_ T-Open 1340  
 (D) Initial Shut-In 1284  Circ Sub \_\_\_\_\_ T-Pulled 1640  
 (E) Second Initial Flow 181  Hourly Standby \_\_\_\_\_ T-Out 1919  
 (F) Second Final Flow 309  Mileage 46.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 1262  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1975  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 45  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 45

Sub Total 1196.50

MP/DST Disc't \_\_\_\_\_  
 Sub Total 1196.50

Approved By \_\_\_\_\_ Our Representative Ray Schwager Thank you

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# GLOBAL OIL FIELD SERVICES, LLC

2715

REMIT TO 24 S. Lincoln  
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>10-10-16</u>	SEC. <u>28</u>	TWP. <u>5</u>	RANGE <u>27</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>3:30 PM</u>
LEASE <u>Carter</u>	WELL # <u>1</u>	LOCATION <u>High 9 Jct 21 miles</u>			COUNTY <u>Decatur</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)		W to 2100 RD 1 1/4 N Winto					

CONTRACTOR White Knight

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 282

CASING SIZE 8 5/8 DEPTH 29.57

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 300 psi MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 20 ft

PERFS

DISPLACEMENT 16.5 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Heath

# 417 HELPER Cody

BULK TRUCK DRIVER Jason

# 378

BULK TRUCK DRIVER

OWNER

CEMENT AMOUNT ORDERED 175 sacks com 3% CC

2% gel

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Run 7 Jts of 8 5/8 casing and landing

jt

Est Circulation

Mix 175 sacks and disp 16.5 bbl of H2O

Shut in @ 200 psi

Cement PD Circulate !!

CHARGE TO: Castle Resources

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

Global Oil Field Services, LLC

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. Thank You!

PRINTED NAME

SIGNATURE Terry Carter

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

# GLOBAL OIL FIELD SERVICES, LLC

2735

REMIT TO 24 S. Lincoln  
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>10-19-16</u>	SEC. <u>28</u>	TWP. <u>5</u>	RANGE <u>27</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>11:45pm</u>
LEASE <u>Carter</u>	WELL #. <u>1</u>	LOCATION			COUNTY <u>Decatur</u>	STATE <u>KS</u>	
OLD OR. <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR White Knight

TYPE OF JOB Long string

HOLE SIZE 7 7/8 T.D. 4450

CASING SIZE 5 1/2 DEPTH 4195.00

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX. 1500PSI MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 40CF

PERFS

DISPLACEMENT 98 3/4 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Heath

# 417 HELPER Cody

BULK TRUCK

# 378 DRIVER Jason

BULK TRUCK

# DRIVER

OWNER

CEMENT AMOUNT ORDERED 180SKS com 10% salt  
2% gel 2% plaster

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:  
Run 117 Hts of 5 1/2 casing & landing  
It - Circulate fill mud wbs 40wlr  
Hook up and plug RH = 30hrs - pump  
mud sweep and 10 bbl of H2O - mix  
150PSI and Release plug - wash pump and  
lines clean - Dis 98 bbl H2O - plug landed  
@ 1500PSI - Released and dried up  
Tear Down

CHARGE TO: Castle Resources

STREET

CITY STATE ZIP

Global Oil Field Services, LLC  
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PRINTED NAME

SIGNATURE Terry Lister

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

5 1/2

1 - LDA Plug @

1 - AFU @

6 - Cent @

2 - basket @

1 - port collar @

TOTAL

SALES TAX (if Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS